

R E M A R K S

ON THE

denomination of the genera and higher groups

IN

« Das Tierreich, Oribatidae »

BY

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Following rigorously the recent rules of Nomenclature, we are obliged to make the following changes in the names of genera and higher groups, adopted in « Das Tierreich, Oribatidae », (author A. D. Michael).

p. 1. The name *Oribatulæ* may remain, as the family-name is formed from the genus *Oribata* of Latreille; and though *Oribata* Latreille is, in my opinion, quite another genus as the genus *Oribata* of « Das Tierreich », there is no valuable reason to change the name *Oribatulæ*, *Oribata* Latr. being the type-genus of the family.

p. 5. The name *Oribatinae* must be changed into *Notaspilinae*, as the type-genus *Oribata* of « Das Tierreich » must be changed into *Notaspis*.

p. 9. The name *Oribata* Latr. must be changed into *Notaspis* Herm. for the following reason: It is true that Latreille created, in 1802, the genus *Oribata*, but in all his works Latreille tells us, that the type of his genus is *Acarus geniculatus* of Linné (a *Damacus* of Das Tierreich). Then Hermann created, in 1804, the genus *Notaspis*, and he especially mentions: « j'ai cru devoir rapporter à un genre particulier les mites que Linné et d'autres

auteurs ont comprises sous le nom d'*acarus coleoptratus*»
 Now I think this is the same as « I consider *acarus coleoptratus* of Linné as type of my genus *Notaspis*. » And as Linné's description of his *Acarus coleoptratus* fits perfectly on *Oribates ovalis* Koch (*punctata* Nic.) (*nicoletii* Berl.), one of the species of the genus in question, I consider *Notaspis* Herm. as the oldest name of this genus. Type of this genus is *Acarus coleoptratus* Linné.

p. 26. Most probably the name *Serrariinae* will soon be changed into *Gustaviinae*, as the type-genus *Serrarius* most probably will be changed into *Gustavia*.

p. 26. The name *Serrarius* Michael, 1883, most probably will soon be changed into *Gustavia* Kram., 1879, for in my opinion *Gustavia sol* Kram is the nymph of a *Serrarius*, but this must still be proved by breeding one of the species of *Serrarius*.

p. 28. The name *Notaspidinae* must be changed into *Eremaeinae*, as the name of the type-genus *Notaspis* must be changed into *Eremaeus*.

p. 31. The name *Cepheus* C. L. Koch must be changed into *Kochia* Oudms. for the following reasons: Koch, it is true, created a genus *Cepheus*, in 1836, (Deu. Cr. Myr. Ar. 3. 11.), but with *Cepheus latus* Koch as type, and this animal *does not belong* to the genus in question!!! Nicolet, in 1855, again created a genus *Cepheus*, but with *Notaspis tegeocranus* Herm. as type, an animal which belongs to the genus in question, but as the name *Cepheus* is preoccupied by Koch, *Cepheus* Nic. must fall. — Grube created a genus *Pelonia*, in 1859, (Arch. Nat. Liv.- Esthl.- und Kurl. ser. 2, v. 1, p. 464) with *Pelonia foliosa* Grube as type, but as we hitherto don't know whether this animal is a nymph of a « *Iiacarus* », or of a « *Cepheus* » or of a « *Tegeocranus* », this name remains out of consideration. — Therefore I propose the name *Kochia* to replace *Cepheus* C. L. Koch, or better said to replace *Cepheus* Nic. — The type of the genus *Kochia* consequently is *Notaspis tegeocranus* Herm.

p. 33. The name *Tegeocranus* Nic. must be changed into *Cepheus* C. L. Koch, for the following reason: Koch created, in 1836, the

genus *Cepheus* (Deu. Cr. Myr. Ar. 3. 11.) with *Cepheus latus* Koch as type, and this species belongs to the genus in question, is synonym to *Tegeocranus latus* (C. L. Koch) (Das Tierreich p. 35). Consequently the genus in question must be called *Cepheus* C. L. Koch. — There is still another reason why this genus cannot be named *Tegeocranus* Nic., viz. Nicolet created the genus *Tegeocranus*, in 1855, with *Tegeocranus femoralis* Nic. as type, and this species *does not belong* to the genus in question!!! — The type of the genus *Cepheus* C. L. Koch is *Cepheus latus* C. L. Koch.

p. 43. The name *Notaspis* Herm. must be changed into *Eremaeus* C. L. Koch for the following reason: it is true that Hermann created, in 1804, the genus *Notaspis*, but with *Acarus coleoptratus* Linné as type, and this species *does not belong* to the present genus, as I have shown hereabove. — Dugès (in Ann. Sc. Nat. ser. 2, v. 1, p. 21, 1834) created a genus *Oribates* with *Notaspis castaneus* Herm. as type, but *Oribata* is preoccupied by Latreille, in 1802. — Then C. L. Koch created the genus *Eremaeus* (Deu. Cr. Myr. Ar. 3. 23.), 1836, with *Eremaeus hepaticus* as type, which animal belongs to the genus in question.

p. 52. The name *Damaeinae* must be changed into *Oribatinae*, as the type-genus *Damaeus* must be changed into *Oribata*.

p. 53. The name *Damaeus* C. L. Koch must be changed into *Oribatu* Latr. for the following reason: Latreille created in 1797 (Lat., Préc. caract. génériques Ins. p. 184) a genus *Acarus* with *Acarus geniculatus* Linné as type, but as *Acarus* is already preoccupied by Linné, with *Acarus siro* L. as type, *Acarus* Latreille must fall. Latreille himself has been aware of this fact, for, in 1802, he created the genus *Oribata* for the same animal, *Acarus geniculatus* Linné, as type, and he changed his genus *Tyroglyphus* (Latr. Préc. caract. génériques Ins. 1797), with *Acarus siro* Linné as type, into *Acarus* Linné, with *Acarus siro* Linné as type (Latr. Hist. Nat. Crust. Ins. III, p. 64, 1802). — Type of the genus *Oribata* Latr. is *Acarus geniculatus* Linné.

p. 61. The name *Nothrinae* must be changed into *Camisiinae*, as the type genus *Nothrus* must be changed into *Camisia*.

p. 68. The name *Nothrus* C. L. Koch (1836) must be changed into *Camisia* von Heyden, as this genus is created in 1826, with *Notaspis segnis* Herm. as type, an animal which belongs to the genus in question.

Further it deserves consideration to mention in such works as «Das Tierreich» next to the name of every genus and next to its synonym or synonyms the type-animals, as follows:

p. 6. *Pelops* C. L. Koch, January 1836, type *Pelops occultus* C. L. Koch. — Synonyms: *Celaeno* C. L. Koch, May 1836, type *Celaeno spinosa* C. L. Koch (non *Celaeno* Leach 1822). *Pelops* C. L. Koch, 1842, type *Pelops hirsutus* C. L. Koch (non *Pelops* C. L. Koch, 1836). *Pelops* Nic., 1855, type *Notaspis acromios* Herm. (non *Pelops* Koch, 1836, non *Pelops* Koch, 1842).

p. 9. *Notaspis* Herm., 1804, type *Acarus coleoptratus* L. — Synonyms: *Galumna* Heyd., 1826, type *Notaspis alatus* Herm. *Oribates* C. L. Koch, 1836, type *Oribates calcaratus* C. L. Koch (non *Oribata* Latr., 1802). *Zetes* C. L. Koch, 1836, type *Zetes dorsalis* C. L. Koch. *Murcia* C. L. Koch, 1836, type *Murcia trimaculata* C. L. Koch. *Oribates* C. L. Koch, 1842, type *Oribates aterrimus* C. L. Koch (non *Oribata* Latr., 1802, non *Oribates* Dugès, 1834, non *Oribates* C. L. Koch, 1836). *Murcia* C. L. Koch, 1842, type *Murcia fumigata* C. L. Koch (non *Murcia* C. L. Koch, 1836.) *Zetes* C. L. Koch, 1842, type *Zetes elimatus* C. L. Koch (non *Zetes* C. L. Koch, 1836). *Orybates* Laboulb., 1851 pro *Oribates*. *Oribata* Nic., 1855, divided into three groups: 1st group, type *Notaspis alatus* Herm.; 2d. group, type *Oribata nitens* Nic.; 3d group, type *Oribata globula* Nic. (non *Oribata* Latr., 1802 etc.). *Oribata* Michael, 1884, type *Oribata pyriformis* Nic. (non *Oribata* Latr., 1802, non *Oribates* Dugès, 1834, non *Oribates* C. L. Koch, 1836, non *Oribates* C. L. Koch, 1842, non *Oribata* Nic., 1855). *Claviceps* Can. Fanz, 1877, type *Claviceps hirtus* Can. Fanz. *Oribates* Berl. 1855, type *Notaspis alatus* Herm., (non *Oribata* Latr., 1802, etc.) *Archipteria* Berl., 1885, type *Oribates nicoleti* Berl. *Sphaerozetes* Berl., 1885, type *Oribates orbicularis* C. L. Koch.

- p. 16. *Gustavia*? Kram, 1879, type *Gustavia sol* Kram.
- p. 16. *Serrarius* Michael, 1883, type *Leiosoma microcephala* Nic. — Synonym: *Neozetes* Berl., 1885, type *Oribates fusifer* C. L. Koch.
- p. 27. *Zetorchestes* Berl., 1888, type *Carabodes micronychus* Berl. et Can. — Synonym *Leptorchistis* (corr. *Leptorchestes*) Can., 1885, type *Carabodes micronychus* Berl. en Can. (non *Leptorchestes* Thorell 1869).
- p. 28. *Scutovertex* Michael, 1879, type *Scutovertex sculptus* Michael.
Tectocephus Berl., 1895, type *Tegeocranus velatus* Michael.
- p. 31. *Kochia* Oudms., 1900, type *Notaspis tegeocranus* Herm. — Synonym: *Cepheus* Nic., 1855, type *Notapis tegeocranus* Herm. (non *Cepheus* C. L. Koch, 1836).
- p. 33. *Cepheus* C. L. Koch, 1836, type *Cepheus latus* C. L. Koch. — Synonyms: *Pelonia*? Grube, 1859, type *Pelonia foliosa* Grube.
- p. 36. *Carabodes* C. L. Koch, 1836, type *Carabodes coriaceus* C. L. Koch. — Synonyms: *Tegeocranus* Nic., 1855, type *Tegeocranus femoralis* Nic. *Tegeocranus* Michael, 1884, type *Carabodes coriaceus* C. L. Koch (non *Tegeocranus* Nic., 1855).
- p. 40. *Li acarus* Michael, 1898, type *Oribates nitens* Gervais. — Synonyms: *Leiosoma* (corr. *Liosoma*) Nic., 1855, type *Oribates nitens* Gerv. (non *Leiosoma* Steph. 1831). *Leiosoma* Michael, 1884, type *Leiosoma similis* Nic. (non *Leiosoma* Steph., 1831, non *Leiosoma* Nic. 1855).
- p. 43. *Eremaeus* C. L. Koch, 1836, type *Eremaeus hepaticus* C. L. Koch. — Synonyms: *Oribates* Dugès, 1834, type *Notaspis castaneus* Herm. (non *Oribata* Latr., 1802). *Eumaeus*, errore, pro *Eremaeus* C. L. Koch, 1842, in tabula. *Xenillus* Rob. Desv., 1839, type *Xenillus clypeator* Rob. Desv. *Notaspis* Nic., 1855, type *Notaspis bipilis* Herm. (non *Notaspis* Herm. 1804). *Eremaeus* Nic., 1855, type *Eremaeus oblongus* Koch (non *Eremaeus* C. L. Koch, 1836.) *Oppia* Grube, 1859, type *Oribates badius* C. L. Koch (non *Oppia* C. L. Koch, 1836.) *Eremeus* Walck., 1847, errore, pro *Eremaeus*. *Notaspis* Michael, 1888, type *Zetes lucorum* C. L. Koch (non *Notaspis* Herm., 1804, non *Notaspis* Nic., 1855).

p. 53. *Amerus* Berl., 1883, type *Belba troisii* Berl.

p. 53. *Oribata* Latr., 1802, type *Acarus geniculatus* L. —
Synonyms: *Acarus* Latr., 1797, type *Acarus geniculatus* L. (non
Acarus L., 1758). *Belba* von Heyden, 1826, type *Notaspis cory-
nopus* Herm. ¹⁾. *Damaeus* C. L. Koch, 1836, type *Damaeus auritus*
C. L. Koch. *Oppia* C. L. Koch, 1836, type *Oppia glaucina* C. L.
Koch. *Damaeus* Nic., 1855, type *Acarus geniculatus* L. (non
Damaeus C. L. Koch, 1836). *Damaeosoma* Berl., 1887, type
Damaeus concolor C. L. Koch.

p. 62. *Hermannia* Nic., 1855, type *Hermannia crassipes* Nic.

p. 65. *Neoliodes* Berl., 1888, type *Notaspis theleproctus* Herm. —
Synonym: *Liodes* von Heyden, 1826, type *Notaspis theleproctus*
Herm. (non *Liodes* Latr., 1796).

p. 66. *Cymbaeremaeus* Berl., 1896, type *Eremaeus cymba* Nic. —
Synonym: *Eremaeus* Michael, 1884, type *Eremaeus cymba* Nic.
(non *Eremaeus* C. L. Koch, 1836, non *Eremaeus* Nic., 1855).

p. 68. *Camisia* von Heyden, 1826, type *Notaspis seguis* Herm. —
Synonyms: *Nothrus* C. L. Koch, 1836, type *Nothrus echinatus*
C. L. Koch. *Nothrus* C. L. Koch, 1842, type *Nothrus palustris*
C. L. Koch (non *Nothrus* C. L. Koch, 1836). *Nothrus* Nic., 1855,
type *Nothrus spiniger* C. L. Koch. (non *Nothrus* C. L. Koch,
1836, non *Nothrus* C. L. Koch, 1842). *Angelina* Berl., 1885,
type *Nothrus anauniensis* Can et Fanz.

p. 75. *Lohmannia* Michael, 1898, type *Michaelia paradoxa*
Haller. — Synonym: *Michaelia* Haller, 18 Dec. 1884, type
Michaelia paradoxa (non *Michaelia* Trouess., Nov. 1884).

p. 76. *Hypochthonius* C. L. Koch, 1836, type *Hypochthonius*
rufulus C. L. Koch. — Synonym: *Hypochthonius* Berl., 1882.

p. 77. *Hoploderma* Michael, 1898, type *Hoplophora decumana*
C. L. Koch. — Synonyms: *Hoplophora* C. L. Koch, 1836,
type *Hoplophora decumana* C. L. Koch (non *Hoplophora* Perty,
1830). *Hoplophora* C. L. Koch, 1842, type *Hoplophora laevigata*

¹⁾ *Notaspis corynopus* Herm. = *Damaeus sufflexus* Michael, badly drawn, and
probably with some dirt on the legs, or at least a species closely allied to it

G L. Koch. (non *Hoplophora* Perty, 1830, non *Hoplophora* C. L. Koch 1836). *Hoplophora* Nic., 1855, type *Hoplophora magna* Nic. (non *Hoplophora* Perty, 1830, non *Hoplophora* C. L. Koch, 1836, non *Hoplophora* C. L. Koch, 1842).

p. 78. *Phthiracarus* Perty, 1841, type *Phthiracarus contractilis* Perty. — Synonym *Tritia* Berl., 1883, type *Tritia decumana* Berl.

Again, it deserves consideration to mention in such works as «Das Tierreich», next to each type-species, of what genus they are the type. This is necessary to know, when a genus is broken up into two or more subgenera or new genera. E. g.

p. 6. *Notaspis acromios* Herm., type of *Pelops* Nic., 1855, non *Pelops* C. L. Koch, 1836, non *Pelops* C. L. Koch, 1842.

Celaeno spinosa C. L. Koch, type of *Celaeno* C. L. Koch, 1836, non *Celaeno* Leach, 1842.

p. 7. *Pelops hirsutus* C. L. Koch, type of *Pelops* C. L. Koch, 1842, non *Pelops* C. L. Koch, 1836.

p. 8. *Pelops occultus* C. L. Koch, type of *Pelops* C. L. Koch, 1836.

p. 14. *Oribata globula* Nic., type of *Oribata* Nic., 3d. group, 1855, non *Oribata* Latr., 1802, non *Oribates* Dug., 1834, non *Oribates* C. L. Koch, 1836, non *Oribates* C. L. Koch, 1842.

p. 15. *Oribates orbicularis* C. L. Koch, type of *Sphaerozetes* Berl., 1885.

p. 16. *Oribata piriformis* Nic., type of *Oribata* Michael, 1884, non *Oribata* Latr., 1802, non *Oribates* Dug., 1834, non *Oribates* C. L. Koch, 1836, non *Oribates* C. L. Koch, 1842, non *Oribata* Nic., 1855.

p. 17. *Murcia trimaculata* C. L. Koch, type of *Murcia* C. L. Koch, 1836.

p. 19. *Acarus coleoptratus* L. (N. B. synonym of *Oribata ovalis*), type of *Notaspis* Herm., 1804.

Oribata nitens Nic., type of *Oribata* Nic., 2d. group, 1855, non *Oribata* Latr., 1802, non *Oribates* Dug., 1834, non *Oribates* C. L. Koch, 1836, non *Oribates* C. L. Koch, 1842.

Oribates nicoletii Berl., type of *Archipteria* Berl., 1885

p. 20. *Notaspis alatus* Herm., type of *Galumna* Heyd., 1826; type of *Oribata* Nic., 1st group, non *Oribata* Latr., 1802, non *Oribates* Dug., 1834, non *Oribates* C. L. Koch, 1836, non *Oribates* C. L. Koch 1842; type of *Oribates* Berl., 1885, non *Oribata* Latr., 1802, non . . . etc.

p. 21. *Zetes dorsalis* C. L. Koch, type of *Zetes* C. L. Koch, 1836.

Zetes elimatus C. L. Koch, type of *Zetes* C. L. Koch, 1842, non *Zetes* C. L. Koch, 1836.

p. 24. *Oribates calcaratus* C. L. Koch, type of *Oribates* C. L. Koch, 1836, non *Oribata* Latr. 1802, non *Oribates* Dug., 1834.

p. 27. *Oribates fusifer* C. L. Koch, type of *Neozetes* Berl., 1885.

Leiosoma microcephalum Nic., type of *Serrarius* Michael, 1883.

p. 28. *Carabodes micronychus* Can., type of *Zetorchestes* Berl., 1888; type of *Leptorchestes* Can., 1885, non *Leptorchestes* Thorell, 1869.

p. 30. *Scutovertex sculptus* Michael, type of *Scutovertex* Michael, 1879.

p. 32. *Notaspis tegeocranus* Herm., type of *Kochia* Oudms., 1900; type of *Cepheus* Nic., 1855, non *Cepheus* C. L. Koch, 1836.

p. 35. *Cepheus latus* C. L. Koch, type of *Cepheus* C. L. Koch, 1836.

Tegeocranus velatus Michael, type of *Tectocephus* Berl., 1895.

p. 37. *Carabodes coriaceus* C. L. Koch, type of *Carabodes* C. L. Koch, 1836; type of *Tegeocranus* Michael 1884, non *Tegeocranus* Nic., 1855.

p. 38. *Tegeocranus femoralis* Nic., type of *Tegeocranus* Nic., 1855.

p. 40. *Leiosoma similis* Nic., type of *Leiosoma* Michael, 1884, non *Leiosoma* Steph., 1831, non *Leiosoma* Nic., 1855.

p. 41. *Oribata nitens* Gervais, type of *Liacarus* Michael, 1898; type of *Leiosoma* Nic., 1855, non *Leiosoma* Steph., 1831.

p. 46. *Notaspis bipilis* Herm., type of *Notaspis* Nic., 1855, non *Notaspis* Herm., 1804.

Oribates badius C. L. Koch, type of *Oppia* Grube, 1859, non *Oppia* C. L. Koch, 1836.

p. 47. *Eremaeus hepaticus* C. L. Koch, type of *Eremaeus* C. L. Koch, 1836.

Zetes lucorum C. L. Koch, type of *Notaspis* Michael, 1884, non *Notaspis* Herm., 1804, non *Notaspis* Nic., 1855.

p. 48. *Eremaeus oblongus* C. L. Koch, type of *Eremaeus* Nic., 1855, non *Eremaeus* C. L. Koch, 1836.

p. 53. *Belba troisii* Berl., type of *Amerus* Berl. 1883.

p. 55. *Damaeus auritus* C. L. Koch, 1836, type of *Damaeus* C. L. Koch, 1836.

Oppia glaucina C. L. Koch, 1836, type of *Oppia* C. L. Koch, 1836.

p. 56. *Damaeus concolor* C. L. Koch, type of *Damaeosoma*, Berl., 1887.

Acarus geniculatus L., type of *Oribata* Latr., 1802; type of *Acarus*, Latr., 1797, non *Acarus* L., 1758; type of *Damaeus*, Nic., 1855, non *Damaeus* C. L. Koch, 1836.

p. 64. *Hermannia crassipes* Nic., type of *Hermannia* Nic., 1855.

p. 66. *Notaspis theleproctus* Herm., type of *Neoliodes* Berl., 1888; type of *Liodes* Heyd., 1826, non *Liodes* Latr., 1797.

p. 67. *Eremaeus cymba* Nic., type of *Cymbaeremaes* Berl., 1896; type of *Eremaeus* Michael, 1884, non *Eremaeus* C. L. Koch, 1836, non *Eremaeus* Nic., 1855.

p. 70. *Nothrus anauniensis* Can. & Fanz., type of *Angelia* Berl., 1885.

p. 71. *Nothrus echinatus* C. L. Koch, type of *Nothrus* C. L. Koch, 1836.

p. 72. *Nothrus palustris* C. L. Koch, type of *Nothrus* C. L. Koch, 1842, non *Nothrus* C. L. Koch, 1836.

p. 73. *Notaspis segnis* Herm., type of *Camisia* Heyd. 1826.

Nothrus spinifer C. L. Koch, type of *Nothrus* Nic., 1855, non *Nothrus* C. L. Koch, 1836, non *Nothrus* C. L. Koch, 1842.

p. 75. *Michaelia paradoxa* Hall., type of *Lohmannia* Michael, 1898; type of *Michaelia* Haller, 18 Dec., 1884, non *Michaelia* Troues., Nov. 1884.

p. 77. *Hypochthonius rufulus* C. L. Koch, type of *Hypochthonius* C. L. Koch, 1836.

p. 79. *Hoplophora decumana* C. L. Koch, type of *Hoploderma*

Michael, 1898; type of *Hoplophora* C. L. Koch, 1836, non *Hyplophora* Perty, 1830.

Hoplophora magna Nic., type of *Hoplophora* Nic., 1855, non *Hoplophora* Perty, 1830, non *Hoplophora* C. L. Koch, 1836, non *Hoplophora* C. L. Koch, 1842.

p. 81. *Tritia decumana* Berl., type of *Tritia* Berl., 1883.

Phthiracarus contractilis Perty, type of *Phthiracarus* Perty, 1841.

p. 82. *Hoplophora laevigata* C. L. Koch, type of *Hoplophora* C. L. Koch, 1842, non *Hoplophora* Perty, 1830, non *Hoplophora* C. L. Koch, 1836.

p. 83. *Claviceps hirtus* Can. & Fanz., type of *Claviceps* Can. & Fanz. 1877.

p. 84. (Intercalate:) *Gustavia sol* Kram., 1879, type of *Gustavia* Kram., 1879.

Murcia fumigata C. L. Koch, type of *Murcia* C. L. Koch, 1842, non *Murcia* C. L. Koch, 1836.

Notaspis castaneus Herm., type of *Oribates* Dug., 1834, non *Oribata* Lat., 1802.

Notaspis corynopis Herm., type of *Belba* Heyd., 1826.

p. 85. *Oribates aterrimus* C. L. Koch, type of *Oribates* C. L. Koch, 1842, non *Oribata* Latr., 1802, non *Oribates* Dug., 1834, non *Oribates* C. L. Koch, 1836.

Pelonia foliosa Grube, type of *Pelonia* Grube, 1859.

(Intercalate:) *Xenillus clypeator* Rob. Desv., type of *Xenillus* Rob. Desv., 1839.

Arnhem, 12 Febr. 1900.
